TITLE: Preparation of diaryl ureas as antiinflammatory agents

INVENTOR(S): Cirillo, Pier F.; Goldberg, Daniel R.; Hammach, Abdelhakim; Moss, Neil; Regan, John Robinson

PATENT ASSIGNEE(S): Boehringer Ingelheim Pharmaceuticals, Inc., USA

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ASSIGNMENT HISTORY FOR US PATENT AVAILABLE IN LSUS DISPLAY FORMAT

ED Entered STN: 22 Nov 2002

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The title diaryl ureas, useful in pharmaceutic compns. for treating a cytokine mediated diseases or conditions involving inflammation such as chronic inflammatory diseases, were prepared. Thus, treating 4-(2-chloropyrimidin-4-yloxy)naphthalen-1-ylamine with Et3N in DMF followed by addition of Et4NCN, and treatment of the resulting nitrile with phosgene, and reacting the intermediate with 5-tert-butyl-o-anisidine afforded the urea I.

IC ICM C07D239-34 ICS A61K031-505; C07D251-42; C07D239-47; C07D417-12; C07D401-12; C07D231-40; A61P029-00

CC 28-16 (Heterocyclic Compounds (More Than One Hetero Atom)) Section cross-reference(s):  $\frac{1}{2}$ 

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        (preparation of diaryl ureas as antiinflammatory agents)
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methoxyphenyl)-4-pyrimidinyl]oxy]-1-naphthalenyl]- (CA INDEX NAME)

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RN 476009-80-0 HCAPLUS

CN Urea, N-[5-(1,1-dimethylethyl)-2-methoxyphenyl]-N'-[4-[[2-(3-methoxyphenyl)-4-pyrimidinyl]oxy]-1-naphthalenyl]- (CA INDEX NAME)

RN

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CN Methanesulfonamide, N-[5-(1,1-dimethylethyl)-2-methoxy-3-[[[[4-[[2-(2-methoxyphenyl)-4-pyrimidinyl]oxy]-1-naphthalenyl]amino]carbonyl]amino]phenyl]- (CA INDEX NAME)

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